



U.S. DEPARTMENT OF ENERGY  
Office of Electricity Delivery and Energy Reliability  
Infrastructure Security and Energy Restoration

# ENERGY ASSURANCE DAILY

Thursday Evening, June 16, 2016

## Electricity

### Strong Storm Knocks Out Power to Over 181,000 Customers in Eastern U.S. June 15 – 16

Strong storms producing heavy rain and lightning knocked out power to at least 181,747 customers across Illinois, Indiana, Kentucky, Michigan, Ohio, Tennessee, and West Virginia on Wednesday evening into Thursday. Wind gusts of up to 70 mph were reported, which brought down trees and powerlines. As of 3:30 p.m. EDT Thursday, 39,129 customers remained without power. Memphis Light, Gas & Water (MLGW), the hardest hit utility with 53,000 customer outages, said it expected full restoration by Saturday. IPL, which reported 36,000 customer outages expected all power to be restored by Friday night. The table below shows total affected customers and the latest reported outages by utility. The “Affected” column shows the total count of customers that lost power at one point or another over the course of the storm for each utility. These outages may not have occurred concurrently and are not the same as peak outages.

Eastern Midwest Customer Power Outages			
June 15–16, 2016			
Electric Utility	State	Affected	Latest Reported
Ameren Illinois	IL	1,294	442
IPL	IN	36,000	6,033
Duke Energy	IN	8,800	101
Kentucky Utilities	KY	5,700	75
West Kentucky Rural Electric	KY	3,200	302
Consumers Energy	MI	11,196	6,003
FirstEnergy	OH	16,422	12,777
AEP Ohio	OH	5,400	1,553
Duke Energy	OH	12,069	1,874
MLGW	TN	53,000	7,273
Nashville Electric Service	TN	18,000	917
Middle Tennessee Electric	TN	5,300	10
Gibson Electric Membership Corporation	TN	2,436	0
AEP Appalachian	WV	2,930	1,769
<b>TOTAL*</b>		<b>181,747</b>	<b>39,129</b>

\*Total outages represent only electric utilities listed in this table.

Sources:

<http://apps.ameren.com/outage/OutageMap.aspx?state=IL>

<http://apps.iplpower.com/outages/outagemap.aspx>

[https://twitter.com/IPLPower?ref\\_src=twsrc%5Etfw](https://twitter.com/IPLPower?ref_src=twsrc%5Etfw)

<http://stormcenter.lge-ku.com/default.html>

<https://twitter.com/wkrecc>

<http://outagemap.wkrecc.com:1080/>

<https://www.consumersenergy.com/outagemap>

<https://www.aepohio.com/outages/outageMap.aspx>

<http://outagemap.duke-energy.com/ohky/default.html>

<http://azimuth.mlgw.org/OutageSummary.php>

<https://www.facebook.com/MLGW1>

<http://www.nespower.com/OutageMap/default.aspx>

<https://www.facebook.com/NESpower/?ref=s>

<http://outagemap.gibsonemc.com/>

<https://www.facebook.com/gibsonemc/?fref=nf>

<http://www.mtemc.com/pages.cfm/name/o01>  
<https://twitter.com/MidTnElectric>  
<https://www.appalachianpower.com/outages/outageMap.aspx>  
<http://www.10tv.com/article/thousands-without-power-franklin-delaware-county>  
<http://www.wthr.com/story/32230099/heavy-storms-for-some-this-afternoon>  
<https://weather.com/storms/severe/news/severe-storms-flooding-midwest-ohio-valley>  
<http://www.cincinnati.com/story/news/2016/06/15/heat-humidity-storms-likely-today/85915280/>  
<http://www.wkyt.com/content/news/Storm-knocks-out-power-to-thousands-in-Lexington-383212551.html>

### **Southern's 839 MW Farley Nuclear Unit 2 in Alabama Shut by June 16**

On the morning of June 15 the unit was operating at 18 percent.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

### **Southern's 856 MW Hatch Nuclear Unit 1 in Georgia Reduced to 60 Percent by June 16**

On the morning of June 15 the unit was operating at full power.

<http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/2016/>

### **Manzana Wind's 189 MW Wind Unit in California Reduced by June 15**

The unit entered an unplanned curtailment of 109 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201606151515.html>

### **Dynegy's 510 MW Moss Landing Gas-fired Unit 1 in California Reduced by June 15**

The unit entered an unplanned curtailment of 260 MW.

<http://content.caiso.com/unitstatus/data/unitstatus201606151515.html>

## ***Petroleum***

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### **ExxonMobil Evacuates Non-Essential Staff from Its 100,000 b/d Las Flores Canyon Oil Processing Facility in California Due to Wildfire Threat June 15**

ExxonMobil Corp said on Wednesday it had evacuated non-essential personnel from its Las Flores Canyon facility in Santa Barbara County, California in response to the Sherpa wildfire that broke out Wednesday afternoon in Refugio Canyon. By Thursday, the wildfire was burning out of control charring 1,100 acres, according to the county. ExxonMobil said the employees on site are involved in various fire-protection activities and the company is monitoring the situation. Heat and winds gusting to nearly 40 mph were causing problems for crews in California, although cooler temperatures gave firefighters a break early Thursday, and water-dropping aircraft were expected to resume runs after sunrise, the Santa Barbara County Sheriff's Office said. ExxonMobil normally uses the Las Flores Canyon facility to receive and process crude oil production from offshore wells, which is then sent via pipeline to refineries in other parts of California. The rupture last year of Plains All Americana's Line 901 oil pipeline forced ExxonMobil to halt crude production as pipeline repairs continue. Last month ExxonMobil began hauling the 425,000 barrels of crude oil, which were left stranded in two storage tanks at the Las Canyon Flores facility, away in trucks.

<http://www.sbcountyplanning.org/energy/projects/exxon.asp>

<http://www.wsj.com/articles/exxon-evacuates-workers-amid-california-wildfire-1466077878>

Reuters, 2:15 June 16, 2016

Reuters, 10:01 June 16, 2016

### **Update: Suncor Delays Restart of Its 38,000 b/d MacKay River Oil Sands Facility Due to Clogged Pipeline in Alberta June 15 – Sources**

An Enbridge pipeline connected to Suncor Energy's MacKay River oil sands facility near Fort McMurray has clogged after heavy oil cooled in the system, prolonging a shutdown of the site, three sources familiar with the matter said on Wednesday. The pipeline clogged after last month's massive Alberta wildfire shut more than 1 million b/d of oil production and forced oil sands producers to shut facilities, including thermal projects that require ongoing heat to operate effectively. It was not immediately clear how long repairs would take, but the sources estimated about 20 days. One source close to the matter said the roughly 20-mile pipeline would be excavated every 1.2 miles and injected with diesel. Suncor had said last week it expected all its operations in the area to be at normal rates by the end of June.

Reuters, 17:53 June 15, 2016

### **Update: ConocoPhillips Says 73 Percent of Wells Online at Its 60,000 b/d Surmont Oil Sands Project in Alberta June 15**

ConocoPhillips said on Wednesday that 73 percent of wells at its Surmont oil sands project in northern Alberta were back in production or injecting steam, with no unexpected complications or issues affecting the effort. Surmont, which is a joint venture with Total E&P Canada and produces 30,000 b/d net to ConocoPhillips and 60,000 b/d in total, was shut down in early May due to the Fort McMurray wildfire.

[http://www.rigzone.com/news/oil\\_gas/a/145110/ConocoPhillips\\_Says\\_73\\_percent\\_of\\_Wells\\_at\\_Surmont\\_Project\\_Online](http://www.rigzone.com/news/oil_gas/a/145110/ConocoPhillips_Says_73_percent_of_Wells_at_Surmont_Project_Online)

### **Update: Fort McMurray Wildfire Most Likely Caused by Human Activity – RCMP**

The Royal Canadian Mounted Police (RCMP) on Tuesday said human activity most likely caused the Fort McMurray wildfire in northern Alberta that forced the evacuation of 90,000 residents and shut in more than one million b/d of Canadian oil sands output. The RCMP ruled out lightning as a probable cause and appealed for public assistance in determining how the fire started and whether a criminal offense was involved.

[http://www.downstreamtoday.com/news/article.aspx?a\\_id=52572](http://www.downstreamtoday.com/news/article.aspx?a_id=52572)

### **ExxonMobil Reports Unit Upset at Its 238,600 b/d Joliet, Illinois Refinery June 16**

ExxonMobil Corp reported a unit upset at its Joliet, Illinois refinery on June 16, according to a filing with the Illinois Emergency Management Agency filing.  
Reuters, 4:09 June 16, 2016

### **Update: No Explosives Found in Suspicious Package at ExxonMobil's 344,600 b/d Beaumont, Texas Refinery June 16 – Officials**

The Houston Police Department bomb squad on Wednesday said a suspicious package found at one of the gates to ExxonMobil's Beaumont refinery contained no explosives. On Wednesday morning, ExxonMobil received a phone call stating there was a bomb on the property.

<http://www.beaumontenterprise.com/news/article/ExxonMobil-confirms-bomb-threat-8200892.php>

<http://kfdm.com/news/local/bomb-threat-at-exxonmobil-in-beaumont>

### **Update: Marathon Restarts FCCU at Its 451,000 b/d Galveston Bay, Texas Refinery June 16 – Sources**

Marathon Petroleum Corp on Thursday restarted the 120,000 b/d fluidic catalytic cracking unit (FCCU) at its Galveston Bay, Texas refinery, according to sources familiar with plant operations. The FCCU was shut on Monday due to a malfunction on the unit's blower control system.

Reuters, 10:25 June 16, 2016

### **Update: Valero Boosts Large CDU Intake at Its 335,000 b/d Port Arthur, Texas Refinery June 16 – Sources**

Valero Energy Corp on Thursday boosted the crude oil intake of the large crude distillation unit (CDU) at its Port Arthur, Texas refinery, sources familiar with plant operations said. Valero cut back production on the 268,000 b/d CDU to 145,000 b/d on Tuesday after a malfunction, according to sources. By Thursday morning, production had been boosted to 150,000 b/d. Prior to the Tuesday malfunction the unit had been running at about 165,000 b/d, the sources said.

Reuters, 13:03 June 16, 2016

### **Valero Reports Compressor Snag at Its 225,000 b/d Texas City, Texas Refinery June 16**

Valero Energy Corp reported a compressor snag in complex 7 at its Texas City, Texas refinery, according to a filing with the Texas Commission on Environmental Quality.

Reuters, 11:45 June 16, 2016

### **Update: Phillips 66 Reports Emissions June 15, Says Operations Normal at Its 146,000 b/d Borger, Texas Refinery June 16**

Phillips 66 on Thursday said normal operations resumed at its Borger, Texas refinery after an alkylation unit snag on June 15. The company also reported emissions on Wednesday, according to a filing with the Texas Commission on Environment Quality.

Reuters, 12:01 June 16, 2016

Reuters, 21:33 June 15, 2016

## **NEB Starts Review of TransCanada's Energy East Oil Pipeline June 16**

The National Energy Board (NEB) on Thursday officially launched its 21-month review of TransCanada Corp's Energy East pipeline, which would carry oil from Alberta and Saskatchewan to refineries and export terminals in Eastern Canada. The NEB said it will concurrently review TransCanada's Eastern Mainline natural gas pipeline, with final recommendations on the proposed projects to Prime Minister Justin Trudeau's cabinet by March 2018.  
<http://news.gc.ca/web/article-en.do?mthd=tp&crtr.page=1&nid=1085759&crtr.tp1D=1>

Reuters, 12:53 June 16, 2016

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## ***Natural Gas***

### **Transco Declares Force Majeure on Its Bayonne Lateral Pipeline in New Jersey June 15**

Williams Cos' Transcontinental Gas Pipeline Co (Transco) on Wednesday declared force majeure on its 14-inch Bayonne Lateral in Hudson County, New Jersey Transco due to an unplanned pipeline outage. Transco said that due to recent inspections of the pipeline, it must undertake and unplanned repair to the lateral, which affects the company's ability to make deliveries to its Bayonne metering point. Transco said the unplanned repair is expected to be completed by June 20, 2016.

<http://www.1line.williams.com/1Line/wgp/download?delvid=7329891&hfNoticeFlag=Y&hfDownloadFlag=false&hfFileName=download.html>

Reuters, 17:51 June 15, 2016

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## ***Other News***

Nothing to report.

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## ***International News***

### **Saudi Aramco Says Minor Pipeline Fire Extinguished, No Impact on Saudi Arabian Oil Supply June 16**

Saudi Aramco said a minor pipeline fire broke out near Ras Tanura, in eastern Saudi Arabia, on Thursday morning. The fire was quickly extinguished and there were no injuries or impact on oil supply, the company said.

[http://www.rigzone.com/news/oil\\_gas/a/145127/Saudi\\_Aramco\\_Says\\_Minor\\_Pipeline\\_Fire\\_Extinguished\\_No\\_Impact\\_On\\_Oil\\_Supply](http://www.rigzone.com/news/oil_gas/a/145127/Saudi_Aramco_Says_Minor_Pipeline_Fire_Extinguished_No_Impact_On_Oil_Supply)

### **Nigeria's NNPC Shuts Pipeline Valve after Gas Leak Caused by Explosion June 16 – Official**

Nigerian state oil firm NNPC closed a valve in a pipeline in the Niger Delta to contain a gas leak caused by an explosion, a community leader said on Thursday. The Niger Delta Avengers, whose attacks on oil facilities in the southern oil region in the last few months have pushed crude production to a 30-year low according to the International Energy Agency, said on Twitter that it blew up the pipeline.

Reuters, 9:47 June 16, 2016

## Energy Prices

U.S. Oil and Gas Prices			
June 16, 2016			
	Today	Week Ago	Year Ago
<b>CRUDE OIL</b> <b>West Texas Intermediate U.S.</b> \$/Barrel	46.09	50.47	60.03
<b>NATURAL GAS</b> <b>Henry Hub</b> \$/Million Btu	2.62	2.33	2.87

Source: Reuters

## Links

***This Week in Petroleum*** from the U.S. Energy Information Administration (EIA)

<http://www.eia.gov/oog/info/twip/twip.asp>

Updated every Wednesday.

***Weekly Petroleum Status Report*** from EIA

[http://www.eia.gov/oil\\_gas/petroleum/data\\_publications/weekly\\_petroleum\\_status\\_report/wpsr.html](http://www.eia.gov/oil_gas/petroleum/data_publications/weekly_petroleum_status_report/wpsr.html)

Updated after 10:30 AM & 1:00 PM ET every Wednesday.

***Natural Gas Weekly Update*** from EIA

<http://www.eia.gov/oog/info/ngw/ngupdate.asp>

Updated after 2:00 PM ET every Thursday.

### ENERGY ASSURANCE DAILY

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<http://www.oe.netl.doe.gov/ead.aspx>

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